

Docket No.: CT-269

## POWER OF ATTORNEY

Chips and Technologies, Inc., a California corporation, assignee of the application for United States Letters Patent for an invention entitled:

### "METHOD AND APPARATUS FOR PERFORMING MPEG II DEQUANTIZATION AND IDCT"

invented by: Larry Tu, Yan Liu, Jack Ouyang, Xiaoping Hu, and Roger Hsu

- ☐ executed on even date herewith, or
- ☒ having serial No. 09/004,544, filed January 8, 1998,

do(es) hereby appoint Kenneth D'Alessandro, Registration No. 29,144, David B. Ritchie, Registration No. 31,562, Jonathan H. Schafer, Registration No. 36,915, Steven J. Robbins, Registration No. 40,299, Stephen R. Uriarte, Registration No. 40,854, Powell L. Sprunger, Registration No. 26,239, Sean P. Lewis, Registration No. P42,798, Elise R. Heilbrunn, Registration No. P42,649, and Marc S. Hanish, Registration No. P42,626, as attorneys of record with full power of substitution and revocation, to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith, and certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment, a copy of which is attached, from the inventor(s) of the patent application identified above.

Please send all correspondence and direct all telephone calls to:

Kenneth D'Alessandro  
D'Alessandro & Ritchie  
P.O. Box 640640  
San Jose, CA 95164-0640  
Telephone (408) 441-1100

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

I, the undersigned, declare that I am the assignee of the above identified application, or, if the assignee is a corporation, partnership, or other association, I am authorized to make this appointment on behalf of the assignee and I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

Full Assignee Name                      Chips and Technologies, Inc.  
Post Office Address                      2950 Zanker Road, San Jose, California 95134-2100

*Jeffrey Anne Tatum*

*April 21, 1998*

Signature

Date

Print Name

Title

*Jeffrey Anne Tatum*

*V.P. and General Counsel*

# ASSIGNMENT

WHEREAS, we, Keui-Chung, a citizen of Republic of China, residing at 1346 Old Stone San Jose, California 95132, Yan Liu, a citizen of Peoples Republic of China, residing at 918 Kennard Way, Sunnyvale, California 94087, Jack Ouyang, a citizen of Peoples Republic of China, residing at 10834 South Blaney, Cupertino, California 95014, Xiaoping Hu, a citizen of Peoples Republic of China, residing at 1871 Junewood Avenue, San Jose, California 95132, and Roger Hsu, a citizen of Republic of China, residing at 661 Upper Vintners Circle, Fremont, California 94539, have invent "METHOD AND APPARATUS FOR PERFORMING MPEG II DEQUANTIZATION AND IDCT" for which we have executed application papers for a U.S. patent thereon, which was filed on January 8, 1998, serial No. 09/004,544; and

WHEREAS, Chips and Technologies, Inc., a California corporation, having a place of business at 2950 Zanker Road, San Jose, California 95134-2100, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Larry Tu, Yan Liu, Jack Ouyang, Xiaoping Hu, and Roger Hsu do sell, assign, transfer and set over unto the said Chips and Technologies, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to Chips and Technologies, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at San Jose, CA, California, this 9 day of March, 1998.

\_\_\_\_\_  
Larry Tu

\_\_\_\_\_  
Yan Liu

HE Jack Ouyang

\_\_\_\_\_  
Xiaoping Hu

\_\_\_\_\_  
Roger Hsu

STATE OF CALIFORNIA )

) ss.

COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 1998, before me, \_\_\_\_\_, a Notary Public, personally appeared Larry Tu, Yan Liu, Jack Ouyang, Xiaoping Hu, and Roger Hsu, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person/s whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacities, and that by his/her/their signature/s on the instrument the person/s or the entity upon behalf of which the person/s acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
NOTARY PUBLIC

COPY



## CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

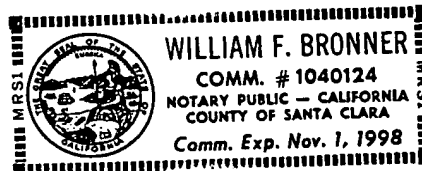
STATE OF CALIFORNIA  
COUNTY OF SANTA CLARA ss.

On this 9<sup>th</sup> of \_\_\_\_\_ 1998, before me, WILLIAM F. BRONNER Notary Public, personally appeared ROGER HSU AND HE OUYANG AND  
YAN LIU

~~Personally known to me~~ (or proved to me on the basis of satisfactory evidence) to be the person (s) whose name (s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity (ies), and that by his/her/their signature (s) on the instrument the person (s) or the entity upon behalf of which the person (s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature William F Bronner  
WILLIAM F. BRONNER NOTARY  
Notary Public in and for the State of California  
Commission Expiration Nov 1, 1998



NAME OF DOCUMENT ASSIGNMENT 1 PAGE  
DATE OF DOCUMENT 3/9/1998 DATE OF SIGNING 3/9/1998  
NUMBER OF SIGNATURES 3 NUMBER OF PAGES \_\_\_\_\_  
CAPACITY OF SIGNER (S) INDIVIDUAL (S) PARTNER (S) CORPORATE

COPY

# ASSIGNMENT

WHEREAS, we, Kuei-Chung Tu, a citizen of Republic of China, residing at 1346 Old San Jose, California 95132, Yan Liu, a citizen of Peoples Republic of China, residing at Stone Way, 918 Kennard Way, Sunnyvale, California 94087, Jack Ouyang, a citizen of Peoples Republic of China, residing at 10834 South Blaney, Cupertino, California 95014, Xiaoping Hu, a citizen of Peoples Republic of China, residing at 1871 Junewood Avenue, San Jose, California 95132, and Roger Hsu, a citizen of Republic of China, residing at 661 Upper Vintners Circle, Fremont, California 94539, have invented "METHOD AND APPARATUS FOR PERFORMING MPEG II DEQUANTIZATION AND IDCT" for which we have executed application papers for a U.S. patent thereon, which was filed on January 8, 1998, serial No. 09/004,544; and

WHEREAS, Chips and Technologies, Inc., a California corporation, having a place of business at 2950 Zanker Road, San Jose, California 95134-2100, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Larry Tu, Yan Liu, Jack Ouyang, Xiaoping Hu, and Roger Hsu do sell, assign, transfer and set over unto the said Chips and Technologies, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to Chips and Technologies, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at Fremont, California, this 17th day of March, 1998.

Kuei-chung Tu  
~~Larry Tu~~ Kuei-chung Tu

Jack Ouyang

Roger Hsu

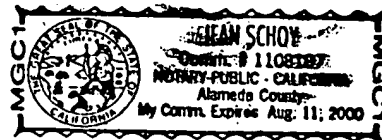
STATE OF CALIFORNIA )

COUNTY OF ALAMEDA )

) ss.

Yan Liu

Xiaoping Hu



On this 17th day of March, 1998, before me, Xiaoping Hu <sup>js</sup> JEAN SCHÖY, a Notary Public, personally appeared Larry Tu, Yan Liu, Jack Ouyang, Xiaoping Hu, and Roger Hsu, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person/s whose name/s are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacities, and that by his/her/their signature/s on the instrument the person/s or the entity upon behalf of which the person/s acted, executed the instrument.

WITNESS my hand and official seal.

jean schoy  
 NOTARY PUBLIC

**COPY**



## CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

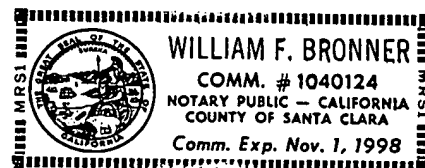
STATE OF CALIFORNIA  
COUNTY OF SANTA CLARA ss.

On this 26 of MARCH 1998, before me, WILLIAM F. BRONNER Notary Public, personally appeared KUEICHUNG TU

~~Personally known to me~~ (or proved to me on the basis of satisfactory evidence) to be the person/s whose name/s is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity/ies, and that by his/her/their signature/s on the instrument the person/s or the entity upon behalf of which the person/s acted, executed the instrument.

WITNESS my hand and official seal.

Signature William F Bronner  
WILLIAM F. BRONNER NOTARY  
Notary Public in and for the State of California  
Commission Expiration Nov 1, 1998



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